

or obscure on both valves; concentric sculpture feeble and irregular; a fortuitous radial lineation frequently developed on the left valve, most obvious on the decorticated shell; ligament pit profound; anterior cardinal prominent, the posterior not developed; an incipient pallial sinus usually developed.

BOTHROCORBULA Gabb.<sup>1</sup>

Type.—*Bothrocorbula viminea* Guppy (Miocene of the Bowden beds of Jamaica).

Shell moderately large and heavy, transversely ovate in outline, slightly inequivalve, acutely rostrate posteriorly; a coarse concentric corrugation and an inconstant radial striation developed on both valves; deep lunular depression in front of the umbones, the characteristic feature of the group; hinge heavy but otherwise normal.

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LAND SHELLS FROM AROUND FOUL RIFT, DELAWARE RIVER

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BY E. G. VANATTA

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During July and August, 1925 and 1926, Mr. James B. Clark collected the following species of land shells along both sides of a section of the Delaware River known as Foul Rift. It is interesting to note the presence of *Guppya sterkii* Dall in this region, also a specimen of *Polygyra tridentata* Say with two parietal teeth.

The following species were taken in Northampton County, Pennsylvania, near Foul Rift, N. J.:

<i>Polygyra albolabris</i> Say	<i>Gastrocopta contracta</i> Say
<i>Polygyra thyroides</i> Say	<i>Gastrocopta pentodon</i> Say
<i>Polygyra tridentata juxtidentis</i> Pils.	<i>Gastrocopta corticaria</i> Say
<i>Polygyra hirsuta</i> Say	<i>Vertigo gouldi</i> Binn.
<i>Polygyra fraterna</i> Say	<i>Cochlicopa lubrica</i> Müll.
	<i>Polita hammonis</i> Ström

<sup>1</sup>Gabb, Wm. M.: Proc. Academy Natural Sciences Philadelphia, p. 274, 1872.

<i>Polita indentata</i> Say	<i>Gastrodonta suppressa</i> Say
<i>Euconulus fulvus</i> Drap.	<i>Anguispira alternata</i> Say
<i>Guppya sterkii</i> Dall	<i>Helicodiscus parallelus</i> Say
<i>Pseudohyalina minuscula</i>	<i>Punctum pygmæum</i> Drap.
Binn.	<i>Succinea ovalis</i> Say
<i>Zonitoides arborea</i> Say	<i>Carychium exile</i> Lea.

At Foul Rift, Warren County, New Jersey, Mr. Clark found the species listed below. The *Polygyra albolabris* Say from this place are rather small.

<i>Polygyra albolabris</i> Say	<i>Guppya sterkii</i> Dall
<i>Polygyra thyroides</i> Say	<i>Pseudohyalina minuscula</i>
<i>Polygyra tridentata juxtidentis</i>	Binn.
Pils.	<i>Zonitoides arborea</i> Say
<i>Polygyra hirsuta</i> Say	<i>Striatura milium</i> Morse
<i>Polygyra fraterna</i> Say	<i>Anguispira alternata</i> Say
<i>Gastrocopta armifera</i> Say	<i>Helicodiscus parallelus</i> Say
<i>Gastrocopta contracta</i> Say	<i>Punctum pygmæum</i> Drap.
<i>Gastrocopta pentodon</i> Say	<i>Succinea avara</i> Say
<i>Omphalina cuprea</i> Raf.	<i>Succinea retusa</i> Lea var.
<i>Euconulus fulvus</i> Drap.	<i>Carychium exile</i> Lea.

On Scott's Mountain, Pohatcong Mountains, Warren County, New Jersey (about 9 miles S. S.-E. of Belvidere) the following forms were collected:

<i>Polygyra albolabris</i> Say	<i>Polita hammonis</i> Ström
<i>Polygyra thyroides</i> Say	<i>Polita indentata</i> Say
<i>Polygyra tridentata juxtidentis</i>	<i>Zonitoides arborea</i> Say
Pils.	<i>Striatura milium</i> Morse
<i>Polygyra hirsuta</i> Say	<i>Punctum pygmæum</i> Drap.
<i>Polygyra fraterna</i> Say	<i>Carychium exile</i> Lea.
<i>Gastrodonta suppressa</i> Say	